

(Use several sheets if necessary)

01640346AA

10/687,970

Viehland et al.

FILING

10/20/2003

GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

1773

FEB 26 2004

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BC		Clarke et al.; "The Impact of High-Temperature Superconductivity on SQUID Magnetometers"; Science 242 (4876); pgs. 217-223; Oct. 14, 1988
BC		Nan et al.; "A Three-Phase Magnetoelectric Composite of Piezoelectric Ceramics, Rare-Earth Iron Alloys, and Polymer"; Applied Physics Letters; Vol. 81, No. 20; pgs. 3831-3833; Nov. 11, 2002

EXAMINER

DATE CONSIDERED

7/13/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
01640346AA

SERIAL NO.
10/687,970

Viehland et al.

FILING
10/20/2003

GROUP
1773

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>PL</i>		Avellaneda et al.; "Magnetoelectric Effect in Piezoelectric/Magnetostrictive Multilayer (2-2) Composites"; Journal of Intelligent Material Systems and Structures, Vol. 5; pgs 501-513; July 1994
<i>PL</i>		Bichurin et al.; "Theory of Low-Frequency Magnetoelectric Effects in Ferromagnetic-Ferroelectric Layered Composites"; Journal of Applied Physics, Vol. 92, No. 12; pgs 7681-7683; Dec. 15, 2002

EXAMINER <i>PL WJPM</i>	DATE CONSIDERED <i>7/13/05</i>
-------------------------	--------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Use several sheets if necessary)

SERIAL NO. 10/687,970

Viehland et al.

FILING
10/20/2003

GROUP	1773
-------	------

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BC		Srinivasan et al.; "Magnetoelectric Effects in Bilayers and Multilayers of Magnetostrictive and Piezoelectric Perovskite Oxides"; Physical Review B, Vol. 65, 134402; 2002
BC		Nan et al.; "Coupled Magnetic-Electric Properties and Critical Behavior in Multiferroic Particulate Composites; Journal of Applied Physics, Vol.94, No. 9; pgs 1-7; Nov. 1, 2003

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Use several sheets if necessary)

01640346AA

10/687,970

FILING

10/20/2003

GROUP

1773

[illegible][illegible]

BL		Srinivasan et al.; "Giant Magnetoelectric Effects in Layered Composites of Nickel Zinc Ferrite and Lead Zirconate Titanate"; Solid State Communications 124; pgs 373-378; 2002
BL		Ryu et al.; "Magnetoelectric Properties in Piezoelectric and Magnetostrictive Laminate Composites"; Japan Journal of Applied Physics, Vol 40; pgs 4948-4951; 2001

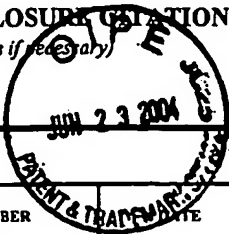
DATE CONSIDERED

Copyright 1994 LegalStar

P09C/REV03

Patent and Trademark Office • U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Docket Number (Optional) 01640346AA		Application Number 10/687,970	
				Applicant(s) Viehland et al.			
				Filing Date 10-20-03		Group Art Unit 1773	



U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>		
Bc	1	Dong et al. "Ultrahigh magnetic field sensitivity in laminates of TERFENOL-D and Pb (Mg 1/3 Nb 2/3) O ₃ -PbTiO ₃ crystals" Applied Physics Letters, Vol. 83, Number 11; ppg. 2265-2267, dated September 15, 2003

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 7/13/05
------------------------------------	--------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.